



YEAR 9 CURRICULUM SUMMARY



When?		Key Learning Objectives Key Questions	Unit Assessment (End of Chapter Test)
<p>HALF TERM 3</p>	<p>Ch 7: Number: Decimals & fractions</p>	<ul style="list-style-type: none"> • multiply and divide decimals • convert between rational numbers, fractions and decimals • find reciprocals of numbers and fractions • work out one quantity as a fraction of another • add, subtract, multiply and divide fractions, with and without a calculator. 	<p>EOC Test 7: Number: Decimals & fractions \times, \div decimals, convert between rationals, fractions & decimals. Reciprocals, one quantity as a fraction of another, +, -, \times, \div fractions without a calculator</p>
	<p>Ch 3: Statistics: Charts, tables & averages</p>	<ul style="list-style-type: none"> • use tally charts and frequency tables to collect and organise data • represent data on various types of diagram • draw a line graph to show trends in data • work out the mode, median, mean and range of small sets of data • decide which is the best average to use • use an average and the range to compare sets of data • draw and interpret stem-and-leaf diagrams 	<p>EOC Test 3: Statistics: Charts, tables & averages Tally charts, frequency tables, line graph, mean, mode, median, range, best average?, compare, stem & leaf</p>



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HALF TERM 5	Ch 9: Algebra: Expressions & formula	<ul style="list-style-type: none">• simplify expressions by collecting like terms• substitute numbers into expressions and formulae• expand and factorise expressions• expand two pairs of brackets• factorise quadratic expressions• rearrange formulae.	EOC Test 9: Algebra: Expressions & formula Letters to represent numbers, form expressions, collect like terms, substitute, expand and factorise expressions, expand 2 pairs of brackets, factorise quadratics, rearrange formula
	Ch 8: Algebra: Linear graphs	<ul style="list-style-type: none">• plot negative coordinates• work out the gradient of a line• draw a straight-line graph from its equation• work out the equation of a linear graph• draw linear graphs parallel to other lines• read information from a conversion graph• use graphs to work out formulae and solve simultaneous linear equations.	EOC Test 8: Algebra: Linear graphs Plot coordinates (negative), gradient of a line, draw line from equation, draw parallel line, conversion graph, solve simultaneous equations graphically



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HALF TERM 6	Ch 10: Ratio, proportion & rates of change: Ratio, speed and proportion Ch 11: Geometry & Measures: Perimeter & Area	<ul style="list-style-type: none">• know what a ratio is• divide an amount in a given ratio• calculate speed• solve problems involving direct proportion• compare prices of products. <ul style="list-style-type: none">• use letters to represent numbers form simple algebraic expressions• work out the perimeters and areas of rectangles, triangles, parallelograms, trapeziums and compound shapes• calculate the circumference and area of a circle and give your answers in terms of π.	EOC Test 10 : Ratio, proportion & rates of change: Ratio, speed and proportion Know what a ratio is, divide in a given ratio, calculate speed, direct proportion, best prices EOC Test 11: Geometry & Measures: Perimeter & Area Perimeter & area of rectangles, triangles, parallelograms, trapeziums and compound shapes, area and circumference of a circle including it terms of π